IFWO

RAW SEQUENCE LISTING   DATE: 08/04/2004
PATENT APPLICATION: **US/10/829,504A**   TIME: 09:16:05

Input Set : **A:\23239-558A.Substitute US.ST25.txt**
Output Set: **N:\CRF4\08042004\J829504A.raw**

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 3 <110> APPLICANT: Epstein, David
 4        Grate, Dilara
 5        Stanton, Martin
 6        Diener, John L.
 7        Wilson, Charles
 8        McCauley, Thomas
 9        DeSouza, Errol
11 <120> TITLE OF INVENTION: Stabilized Aptamers to Platelet Derived Growth Factor and
Their
12        Use as Oncology Therapeutics
14 <130> FILE REFERENCE: 23239-558A
16 <140> CURRENT APPLICATION NUMBER: 10/829,504A
17 <141> CURRENT FILING DATE: 2004-04-21
19 <150> PRIOR APPLICATION NUMBER: 10/762915
20 <151> PRIOR FILING DATE: 2004-01-21
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37 <150> PRIOR APPLICATION NUMBER: 60/474680
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40 <150> PRIOR APPLICATION NUMBER: 60/491019
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44 <151> PRIOR FILING DATE: 2003-10-17
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53 <151> PRIOR FILING DATE: 2003-11-21
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P.6

RAW SEQUENCE LISTING   DATE: 08/04/2004
PATENT APPLICATION: **US/10/829,504A**   TIME: 09:16:05

Input Set : **A:\23239-558A.Substitute US.ST25.txt**
Output Set: **N:\CRF4\08042004\J829504A.raw**

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95  <220> FEATURE:
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97  <222> LOCATION: (6)..(6)
98  <223> OTHER INFORMATION: 2'-Fluoro-Uracil
100 <220> FEATURE:
101 <221> NAME/KEY: modified_base
102 <222> LOCATION: (8)..(8)
103 <223> OTHER INFORMATION: 2'-Fluoro-Cytosine
105 <220> FEATURE:
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107 <222> LOCATION: (9)..(9)
108 <223> OTHER INFORMATION: gm
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117 <213> ORGANISM: Artificial
119 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 08/04/2004
PATENT APPLICATION: US/10/829,504A   TIME: 09:16:05

     Input Set : A:\23239-558A.Substitute US.ST25.txt
     Output Set: N:\CRF4\08042004\J829504A.raw

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140 <222> LOCATION: (11)..(11)
141 <223> OTHER INFORMATION: 2' Fluoro-Cytosine
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144 <221> NAME/KEY: modified_base
145 <222> LOCATION: (12)..(12)
146 <223> OTHER INFORMATION: 2'-O-methyl-Adenosine
148 <400> SEQUENCE: 2
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169 <223> OTHER INFORMATION: 2'-fluoro-Uracil
171 <220> FEATURE:
172 <221> NAME/KEY: modified_base
173 <222> LOCATION: (8)..(8)
174 <223> OTHER INFORMATION: gm
176 <400> SEQUENCE: 3
177 tgatccugt                                               9
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191 <222> LOCATION: (4)..(4)
192 <223> OTHER INFORMATION: 2'-fluoro-Cytosine
194 <220> FEATURE:
195 <221> NAME/KEY: modified_base
196 <222> LOCATION: (4)..(4)
197 <223> OTHER INFORMATION: 2'-fluoro-cytosine
199 <220> FEATURE:
200 <221> NAME/KEY: modified_base
201 <222> LOCATION: (5)..(5)
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RAW SEQUENCE LISTING   DATE: 08/04/2004
PATENT APPLICATION: US/10/829,504A   TIME: 09:16:05

        Input Set : A:\23239-558A.Substitute US.ST25.txt
        Output Set: N:\CRF4\08042004\J829504A.raw

202 <223> OTHER INFORMATION: gm
204 <220> FEATURE:
205 <221> NAME/KEY: modified_base
206 <222> LOCATION: (6)..(6)
207 <223> OTHER INFORMATION: 2'-fluoro-Uracil
209 <220> FEATURE:
210 <221> NAME/KEY: modified_base
211 <222> LOCATION: (8)..(8)
212 <223> OTHER INFORMATION: 2'-fluoro-Cytosine
214 <220> FEATURE:
215 <221> NAME/KEY: modified_base
216 <222> LOCATION: (9)..(9)
217 <223> OTHER INFORMATION: gm
219 <400> SEQUENCE: 4
220 cagcguadg/   9
223 <210> SEQ ID NO: 5
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225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial
228 <220> FEATURE:
229 <223> OTHER INFORMATION: aptamer
232 <220> FEATURE:
233 <221> NAME/KEY: modified_base
234 <222> LOCATION: (7)..(7)
235 <223> OTHER INFORMATION: gm
237 <220> FEATURE:
238 <221> NAME/KEY: modified_base
239 <222> LOCATION: (10)..(10)
240 <223> OTHER INFORMATION: 2'-fluoro-Uracil
242 <220> FEATURE:
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244 <222> LOCATION: (11)..(11)
245 <223> OTHER INFORMATION: 2'-fluoro-Cytosine
247 <220> FEATURE:
248 <221> NAME/KEY: modified_base
249 <222> LOCATION: (12)..(12)
250 <223> OTHER INFORMATION: 2'-methyl-Adenosine
252 <220> FEATURE:
253 <221> NAME/KEY: modified_base
254 <222> LOCATION: (12)..(12)
255 <223> OTHER INFORMATION: 2'-O-methyl-adenosine
257 <400> SEQUENCE: 5
258 cgtaccgatu ca   12
261 <210> SEQ ID NO: 6
262 <211> LENGTH: 9
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial
266 <220> FEATURE:
267 <223> OTHER INFORMATION: aptamer

RAW SEQUENCE LISTING   DATE: 08/04/2004
PATENT APPLICATION: US/10/829,504A   TIME: 09:16:05

Input Set : A:\23239-558A.Substitute US.ST25.txt
Output Set: N:\CRF4\08042004\J829504A.raw

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271 <221> NAME/KEY: modified_base
272 <222> LOCATION: (6)..(6)
273 <223> OTHER INFORMATION: 2'-fluoro-Cytosine
275 <220> FEATURE:
276 <221> NAME/KEY: modified_base
277 <222> LOCATION: (7)..(7)
278 <223> OTHER INFORMATION: 2'-fluoro-Uracil
280 <220> FEATURE:
281 <221> NAME/KEY: modified_base
282 <222> LOCATION: (8)..(8)
283 <223> OTHER INFORMATION: gm
285 <400> SEQUENCE: 6
286 tgaagcugt                                          9
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290 <211> LENGTH: 23
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: aptamer
298 <220> FEATURE:
299 <221> NAME/KEY: modified_base
300 <222> LOCATION: (1)..(1)
301 <223> OTHER INFORMATION: 2'-O-methyl-adenosine
303 <220> FEATURE:
304 <221> NAME/KEY: modified_base
305 <222> LOCATION: (2)..(2)
306 <223> OTHER INFORMATION: 2'-O-methyl-uracil
308 <220> FEATURE:
309 <221> NAME/KEY: modified_base
310 <222> LOCATION: (3)..(3)
311 <223> OTHER INFORMATION: gm
313 <220> FEATURE:
314 <221> NAME/KEY: modified_base
315 <222> LOCATION: (4)..(4)
316 <223> OTHER INFORMATION: cm
318 <220> FEATURE:
319 <221> NAME/KEY: modified_base
320 <222> LOCATION: (5)..(5)
321 <223> OTHER INFORMATION: 2'-O-methyl-adenosine
323 <220> FEATURE:
324 <221> NAME/KEY: modified_base
325 <222> LOCATION: (6)..(6)
326 <223> OTHER INFORMATION: gm
328 <220> FEATURE:
329 <221> NAME/KEY: modified_base
330 <222> LOCATION: (7)..(9)
331 <223> OTHER INFORMATION: 2'-O-methyl-uracil
333 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/04/2004
PATENT APPLICATION: US/10/829,504A   TIME: 09:16:06

Input Set : A:\23239-558A.Substitute US.ST25.txt
Output Set: N:\CRF4\08042004\J829504A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:50; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
Seq#:50; N Pos. 45,46,47,48,49,50,51,52,53,54
Seq#:51; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
Seq#:51; N Pos. 44,45,46,47,48,49,50,51,52,53
Seq#:52; N Pos. 24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43
Seq#:52; N Pos. 44,45,46,47,48,49,50,51,52,53
Seq#:91; N Pos. 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
Seq#:91; N Pos. 45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,50,51,52,53,54,55,56,57,58,59,60,61,62,63
Seq#:64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87
Seq#:88,89,90,91,92,93,94,95,96,97,98

VERIFICATION SUMMARY   DATE: 08/04/2004
PATENT APPLICATION: **US/10/829,504A**   TIME: 09:16:06

Input Set : **A:\23239-558A.Substitute US.ST25.txt**
Output Set: **N:\CRF4\08042004\J829504A.raw**

```
L:1007 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (38) SEQUENCE:
L:1012 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (39) SEQUENCE:
L:1017 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (40) SEQUENCE:
L:1022 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (41) SEQUENCE:
L:1027 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (42) SEQUENCE:
L:1032 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (43) SEQUENCE:
L:1037 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (44) SEQUENCE:
L:1042 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (45) SEQUENCE:
L:1047 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (46) SEQUENCE:
L:1052 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (47) SEQUENCE:
L:1057 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (48) SEQUENCE:
L:1062 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (49) SEQUENCE:
L:1079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:1099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:2110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0
L:2112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:60
```